

GENERAL

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL TO INSTALL APS (ACCESSIBLE PEDESTRIAN SIGNALS) AT THE INTERSECTION OF MD 151 (NORTH POINT BLVD.) AND ST. MONICA DR. IN BALTIMORE COUNTY, MARYLAND. MD 151 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION OPERATES IN A NEMA FOUR-PHASE, FULL TRAFFIC ACTUATED MODE WITH THE MD 151 (NORTH POINT BLVD.) APPROACHES OPERATING CONCURRENTLY AND THE ST MONICA DRIVE APPROACH OPERATING ALONE.

AN EXCLUSIVE/ PERMISSIVE LEFT TURN IS PROVIDED ON THE NORTHBOUND MD 151 APPROACH.

AN ALTERNATE PEDESTRIAN PHASE WILL BE PROVIDED ACROSS THE NORTH LEG OF MD 151 (NORTH POINT BLVD.) AND PEDESTRIAN INDICATIONS WILL BE PROVIDED ACROSS THE ST MONICA DRIVE APPROACH.

CONTROLLER REQUIREMENTS

THE EXISTING BASE MOUNTED CABINET AND CONTROLLER WILL BE USED. THE CONTROLLER SHALL BE RETROFITTED TO OPERATE VIDEO DETECTION EQUIPMENT.

PEDESTRIAN OPERATION

NAVIGATOR AUDIBLE PEDESTRIAN PUSHBUTTON MOVEMENTS TO CROSS THE NORTH AND WEST LEGS ARE TO BE PROVIDED WHEN THE PEDESTRIAN LOCATES AND PRESSES THE PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON UNIT WILL ANNOUNCE THE FOLLOWING MESSAGE:

MD 151 (NORTH POINT BLVD.) (NORTH LEG)

WAIT: "WAIT TO CROSS NORTH POINT AT ST. MONICA"

WALK: RAPID TICK

ST. MONICA DRIVE (WEST LEG)

WAIT: "WAIT TO CROSS ST. MONICA AT NORTH POINT"

WALK: RAPID TICK

MAINTENANCE OF TRAFFIC

THE FOLLOWING TRAFFIC CONTROL STANDARDS SHALL BE REFERENCED FOR THE PROJECT. ADDITIONAL TRAFFIC CONTROL STANDARDS MAY BE USED AS DIRECTED BY THE ENGINEER.

STANDARD NO. MD-104.04-01 (SHOULDER WORK) STANDARD NO. MD-104.04-13 (LEFT TURN BAY CLOSURE)

STANDARD NO. MD-104.04-03 (LEFT LANE CLOSURE) STANDARD NO. MD-104.04-15 (INTERSECTION LEFT LANE, TURN BAY)

STANDARD NO. MD-104.04-05 (RIGHT LANE CLOSURE)

PROJECT CONTACTS

THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

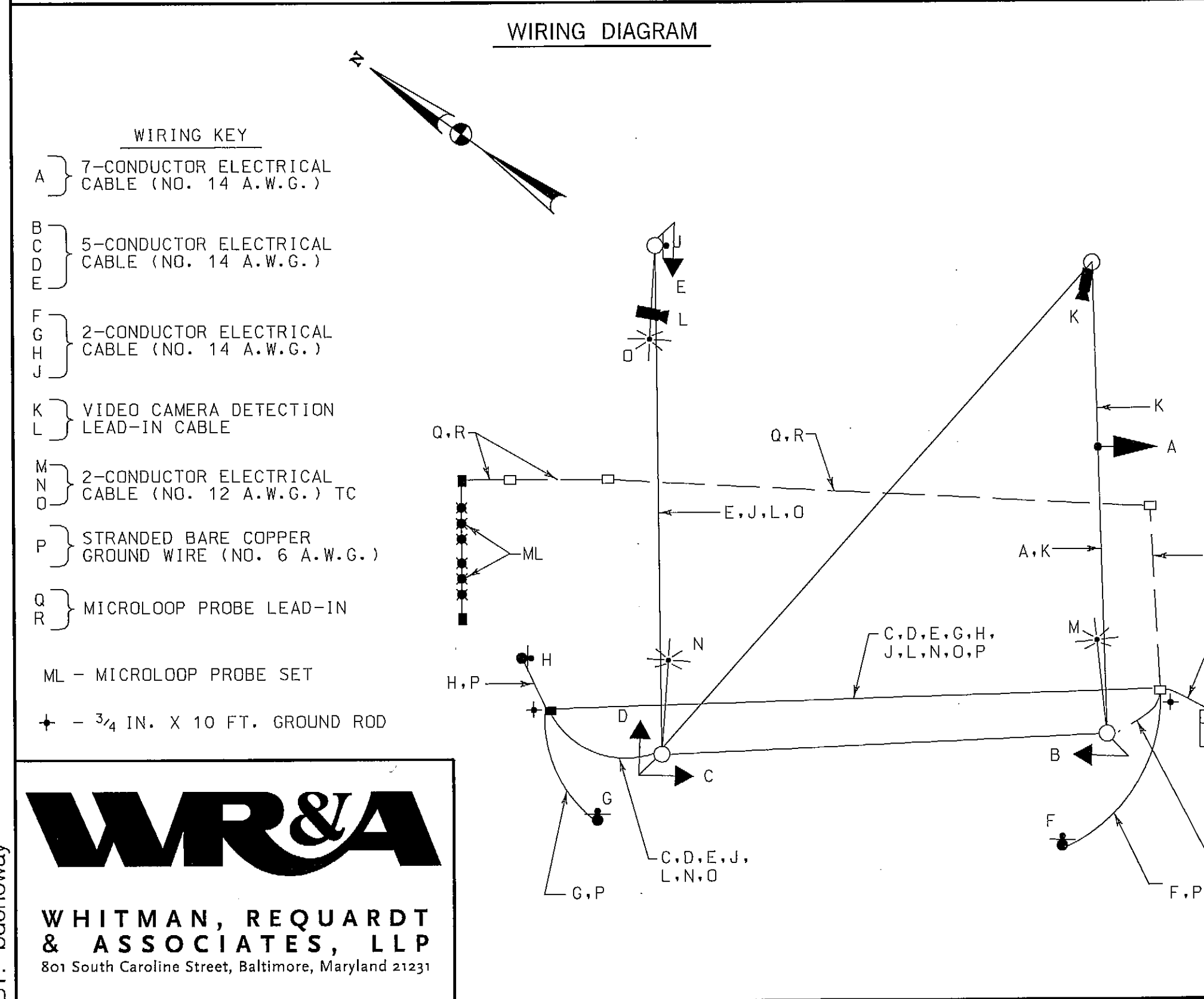
MS. ERIN KUHN  
ASSISTANT DISTRICT ENGINEER - TRAFFIC  
PHONE: (410) 229-2380

MR. ROBERT SYNDER  
ASSISTANT CHIEF, TRAFFIC OPERATIONS DIVISION  
PHONE: (410) 787-7631

MR. ANDRE FUTRELL  
ASSISTANT DISTRICT ENGINEER - MAINTENANCE  
PHONE: (410) 229-2361

MR. RICHARD L. DAFF, SR.  
CHIEF, TRAFFIC OPERATIONS DIVISION  
PHONE: (410) 787-7630

MR. MIKE PASQUARIELLO  
DISTRICT UTILITY ENGINEER  
PHONE: (410) 229-2341



EQUIPMENT LIST "A"		
A. EQUIPMENT TO BE SUPPLIED BY THE SHA		
ITEM NO.	QUANTITY	DESCRIPTION
9086	1 EACH	VIDEO INTERFACE EQUIPMENT: 1-4 CAMERAS
9571	38 S.F.	SHEET ALUMINUM SIGNS TO CONSIST OF :
		- 4 EACH R10-3(1) SIGN (9 IN. x 15 IN.) - POLE MOUNT
		- 1 EACH ASSOCIATED SHIELD ASSEMBLY "NORTH, MD 151, RIGHT ARROW" (30 IN. x 48 IN.) - GROUND MOUNT
		- 1 EACH ASSOCIATED SHIELD ASSEMBLY "NORTH, MD 151, LEFT ARROW" (48 IN. x 72 IN.) - GROUND MOUNT

EQUIPMENT LIST "C"		
C. EQUIPMENT TO BE REMOVED AND RETURNED TO SHA		
ALL REMOVED SIGNAL MATERIALS SHALL BECOME PROPERTY OF THE CONTRACTOR		

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11
PHASE 1 + 6	G	G	G	R	R	R	R	DW	DW	DW	DW
1 + 6 CHANGE	G	G	G	R	R	R	R	DW	DW	DW	DW
PHASE 2 + 6	G	G	G	G	G	R	R	WK	WK	DW	DW
PED. CLEARANCE	G	G	G	G	G	R	R	FLDW	FLDW	DW	DW
2 + 6 CHANGE	Y	Y	Y	Y	Y	R	R	DW	DW	DW	DW
PHASE 4	R	R	R	R	R	G	G	DW	DW	DW	DW
4 CHANGE	R	R	R	R	R	Y	Y	DW	DW	DW	DW
PHASE 4	R	R	R	R	R	G	G	DW	DW	WK	WK
PED. CLEARANCE	R	R	R	R	R	G	G	DW	DW	FLDW	FLDW
4 ALT CHANGE	R	R	R	R	R	Y	Y	DW	DW	DW	DW
FLASHING OPERATION	FLY	FLY	FLY	FLY	FLY	FLR	FLR	DARK	DARK	DARK	DARK

EQUIPMENT LIST "B"		
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR		
ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EACH	MAINTENANCE OF TRAFFIC
1003	200 L.F.	REMOVAL OF EXISTING PAVEMENT LINE MARKINGS, ANY WIDTH
2001	12 C.Y.	CLASS 2 EXCAVATION
5001	35 L.F.	5 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS
5002	385 L.F.	12 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS
5003	137 L.F.	24 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS
6001	90 L.F.	STANDARD TYPE A COMBINATION CURB AND GUTTER 12 INCH GUTTER PAN 8 INCH DEPTH
6002	790 S.F.	5 INCH CONCRETE SIDEWALK
8001	22 EACH	12 INCH (R.Y.G.) LED SIGNAL HEAD SECTION
8002	3 EACH	15 FOOT LIGHTING ARM ON EXISTING STRUCTURE
8003	1 EACH	2 WIRE CENTRAL CONTROL UNIT
8007	3 EACH	8 INCH LED SIGNAL (R.Y.G.) HEAD SECTION
8008	1 EACH	ADJUST AND RE-RING EXISTING SPAN WIRE (EACH SPAN)
8009	1 EACH	ADJUST HANDHOLE TO GRADE
8010	4 EACH	AUDIBLE/ TACTILE PEDESTRIAN PUSHBUTTON STATION & SIGNS
8011	3 EACH	BREAKAWAY PEDESTAL POLE (ANY SIZE)
8014	4 EACH	LED 16 INCH COUNTDOWN PEDESTRIAN SIGNAL HEAD
8017	1 EACH	REMOVE & DISPOSE OF EQUIPMENT (PER ASSIGNMENT)
8025	625 L.F.	ELECTRICAL CABLE -2 CONDUCTOR (NO. 12 AWG) - TRAY CABLE
8026	55 L.F.	UP TO 4 INCH SCHEDULE 80 RIGID PVC CONDUIT - BORED
8027	105 L.F.	UP TO 4 INCH SCHEDULE 80 RIGID PVC CONDUIT - SLOTTED
8028	55 L.F.	UP TO 4 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
8029	60 S.F.	DETECTABLE WARNING SURFACES
8030	4 S.F.	RELOCATE EXISTING SIGN
8032	13 L.F.	WOOD SIGN SUPPORTS 4 INCH X 4 INCH
8034	185 L.F.	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
8036	2 EACH	WEATHER HEAD, 3 INCH
8044	2 EACH	NONINVASIVE DETECTOR ,1000 FOOT LEAD IN CABLE
8045	3 EACH	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8047	38 S.F.	INSTALL OVERHEAD SIGN
8048	2 EACH	VIDEO DETECTION CAMERA AND CABLE UP TO 500 FT
8052	3 EACH	250 WATT HIGH PRESSURE SODIUM LAMP AND LUMINAIRE
8056	735 L.F.	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG)
8058	720 L.F.	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)
8059	135 L.F.	ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)

SHA

STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
MD 151 (North Point Blvd.) and St. Monica Drive  
Dundalk, Maryland

GENERAL INFORMATION SHEET

SCALE: 1" = 20' ADVERTISED DATE: 3/15/2010 CONTRACT NO. XX4485185

DESIGNED BY B. DONOWAY COUNTY Baltimore

DRAWN BY B. DONOWAY LOGMILE

CHECKED BY N. LEARY TMS NO. K355

F.A.P. NO. TOD NO.

TS NO. DRAWING TSP-3 OF 3 SHEET NO. 3 OF 3